

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1308434

Luminaire Tested: LDSQA3D20R309027D010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309027D010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

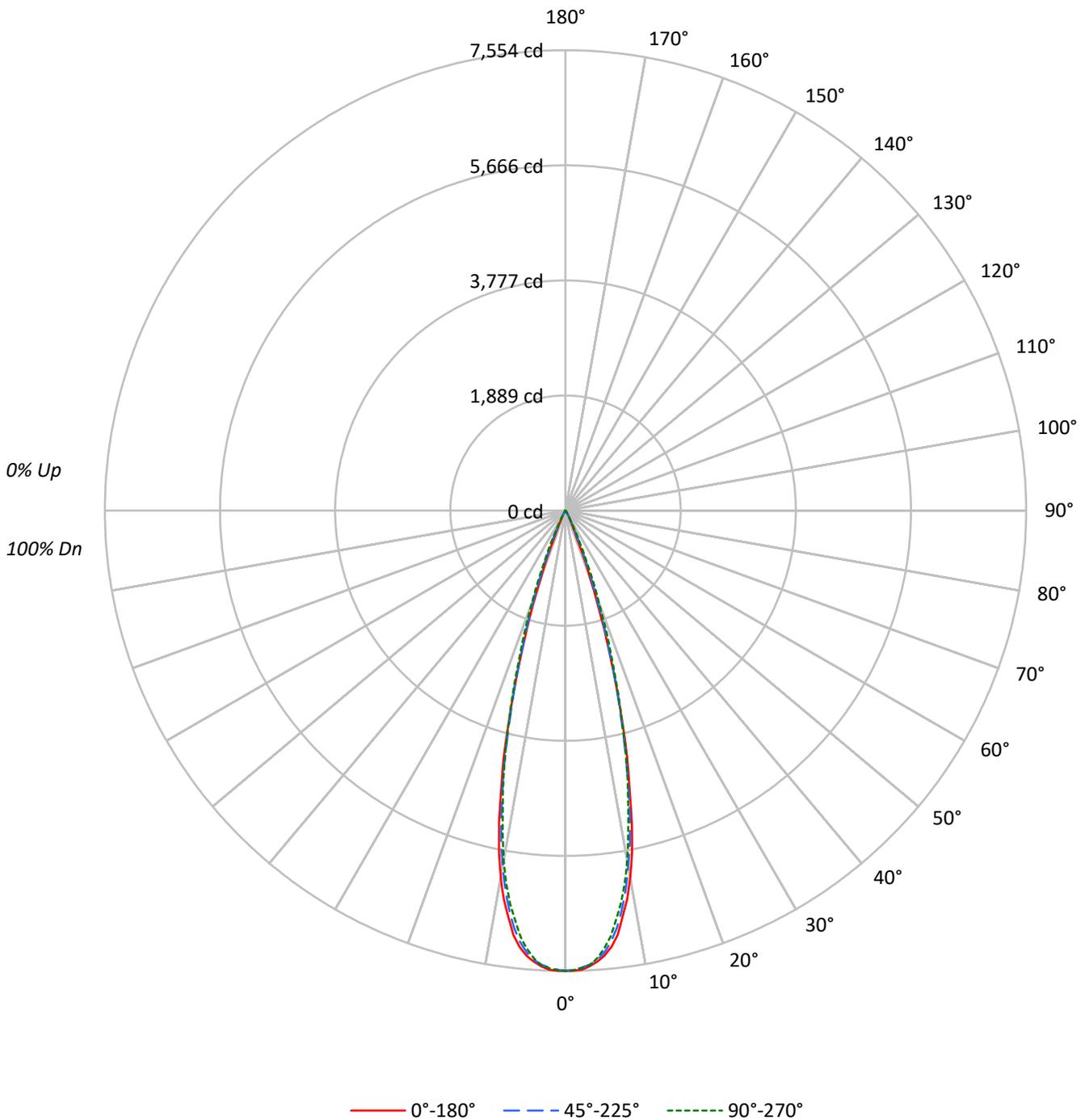
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1830.0 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1308434
CATALOG NUMBER: LDSQA3D20R309027D010 3LSQPHR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1308434
 CATALOG NUMBER: LDSQA3D20R309027D010 3LSQPHR1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1300711	1300711	1300711
5°	1267214	1258484	1248128
10°	1069423	1036580	1019757
15°	644458	626468	637986
20°	218593	252425	291188
25°	40172	62956	74357
30°	13801	15372	17262
35°	3974	4983	5298
40°	1057	1776	1416
45°	390	390	390
50°	429	0	429
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 52.5°
 Luminance: 453 cd/sqm



TEST NUMBER: P1308434

CATALOG NUMBER: LDSQA3D20R309027D010 3LSQPHR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.1	35.7
10°-20°	954.5	52.2
20°-30°	202.0	11.0
30°-40°	18.6	1.0
40°-50°	1.8	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1809.5	98.9
0°-40°	1828.1	99.9
0°-60°	1830.0	100.0
0°-90°	1830.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1830.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7552	7552	7552	7552	7552	
5°	7330	7316	7280	7258	7220	662
15°	3614	3602	3514	3596	3578	953
25°	211	237	331	390	391	154
35°	19	24	24	28	25	16
45°	2	2	2	2	2	2
55°	0	0	0	0	0	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1308434

CATALOG NUMBER: LDSQA3D20R309027D010 3LSQPHR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7552.5	7552.5	7552.5	7552.5	7552.5
1°	7554.1	7546.2	7535.1	7550.9	7539.9
2°	7538.3	7519.4	7503.6	7519.4	7514.6
3°	7491.0	7475.2	7464.1	7472.0	7472.0
4°	7420.0	7402.6	7393.1	7394.7	7371.0
5°	7330.0	7315.8	7279.5	7257.5	7219.6
6°	7197.5	7162.8	7118.6	7082.3	7033.4
7°	7017.6	6964.0	6900.9	6837.8	6776.3
8°	6728.9	6703.7	6618.5	6575.9	6514.4
9°	6457.6	6396.0	6304.5	6235.1	6202.0
10°	6115.2	6023.7	5927.4	5872.2	5831.2
11°	5709.7	5616.6	5539.3	5458.9	5395.8
12°	5233.3	5154.4	5066.0	5012.4	4938.2
13°	4668.4	4657.4	4558.0	4540.6	4531.2
14°	4184.1	4139.9	4042.1	4068.9	4075.2
15°	3614.5	3601.9	3513.6	3595.6	3578.2
17.5°	2264.0	2268.7	2324.0	2453.3	2494.4
20°	1192.7	1229.0	1377.3	1533.5	1588.8
22.5°	482.8	563.2	714.7	820.4	891.4
25°	211.4	236.7	331.3	389.7	391.3
27.5°	119.9	121.5	159.3	165.7	168.8
30°	69.4	71.0	77.3	82.0	86.8
32.5°	37.9	41.0	42.6	48.9	48.9
35°	18.9	23.7	23.7	28.4	25.2
37.5°	11.0	12.6	14.2	14.2	12.6
40°	4.7	6.3	7.9	7.9	6.3
42.5°	1.6	3.2	3.2	3.2	4.7
45°	1.6	1.6	1.6	1.6	1.6
47.5°	1.6	1.6	0.0	1.6	1.6
50°	1.6	0.0	0.0	0.0	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1308434
CATALOG NUMBER: LDSQA3D20R309027D010 3LSQPHR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)